

Coffey County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/25/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 19 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Coffey County economy.¹

These 19 sectors have a total direct output of approximately \$111.9 million and support 609 jobs in Coffey County. Running the model for all 19 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Coffey County Economy						
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵	
Direct Effect	609.1	10.10%	\$52,065,306	7.10%	\$111,927,281	
Indirect Effect	57.4	0.95%	\$5,078,535	0.69%	\$10,114,772	
Induced Effect	83.8	1.39%	\$5,536,145	0.75%	\$10,969,971	
Total Effect	750.3	12.44%	\$62,679,985	8.55%	\$133,012,024	

As shown in the above table, agriculture, food, and food processing sectors support **750 jobs**, or **12.44%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 19 agriculture, food, and food processing sectors is approximately \$62.6 million, or 8.55% of the GRP.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting: https://implanhelp.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **266 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Coffey County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment				
Sector	Total Employment	Total Output		
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	266.0	\$31,082,179		
Animal production, except cattle and poultry and eggs	157.0	\$20,592,658		
All other crop farming	70.0	\$5,637,480		
Grain farming	28.1	\$10,534,073		
Oilseed farming	20.8	\$22,642,540		
Dairy cattle and milk production	19.5	\$12,249,862		
Wholesale trade	19.2	\$3,496,581		
Truck transportation	13.0	\$2,064,946		
Support activities for agriculture and forestry	12.5	\$1,269,130		
Landscape and horticultural services	9.8	\$584,206		

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately \$31.1 million to the Coffey County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output				
Sector	Total Employment	Total Output		
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	266.0	\$31,082,179		
Oilseed farming	20.8	\$22,642,540		
Animal production, except cattle and poultry and eggs	157.0	\$20,592,658		
Dairy cattle and milk production	19.5	\$12,249,862		
Grain farming	28.1	\$10,534,073		
All other crop farming	70.0	\$5,637,480		
Wholesale trade	19.2	\$3,496,581		
Meat processed from carcasses	6.1	\$3,024,360		
Owner-occupied dwellings	0.0	\$2,651,882		
Truck transportation	13.0	\$2,064,946		

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Coffey County economy.

All Agriculture, Food, and Food Processing Sectors				
Sector	Total Employment	Total Output		
Oilseed farming	20.8	\$22,642,539.98		
Grain farming	28.1	\$10,534,072.88		
Fruit farming	0.0	\$4,969.44		
Tree nut farming	0.0	\$9.73		
Greenhouse, nursery, and floriculture production	4.0	\$1,012,683.39		
All other crop farming	70.0	\$5,637,479.78		
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	266.0	\$31,082,178.12		
Dairy cattle and milk production	19.5	\$12,249,861.72		
Poultry and egg production	0.1	\$96,148.29		
Animal production, except cattle and poultry and eggs	157.0	\$20,592,657.09		
Commercial logging	2.8	\$221,776.62		
Support activities for agriculture and forestry	12.5	\$1,269,130.47		
Dog and cat food manufacturing	0.8	\$1,006,312.49		
Meat processed from carcasses	6.1	\$3,024,360.18		
Bread and bakery product, except frozen, manufacturing	4.0	\$461,927.89		
Frozen cakes and other pastries manufacturing	0.2	\$34,276.83		
Farm machinery and equipment manufacturing	3.1	\$1,064,643.26		
Veterinary services	4.3	\$408,046.07		
Landscape and horticultural services	9.8	\$584,205.63		

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Coffey County, the retail sector was omitted.